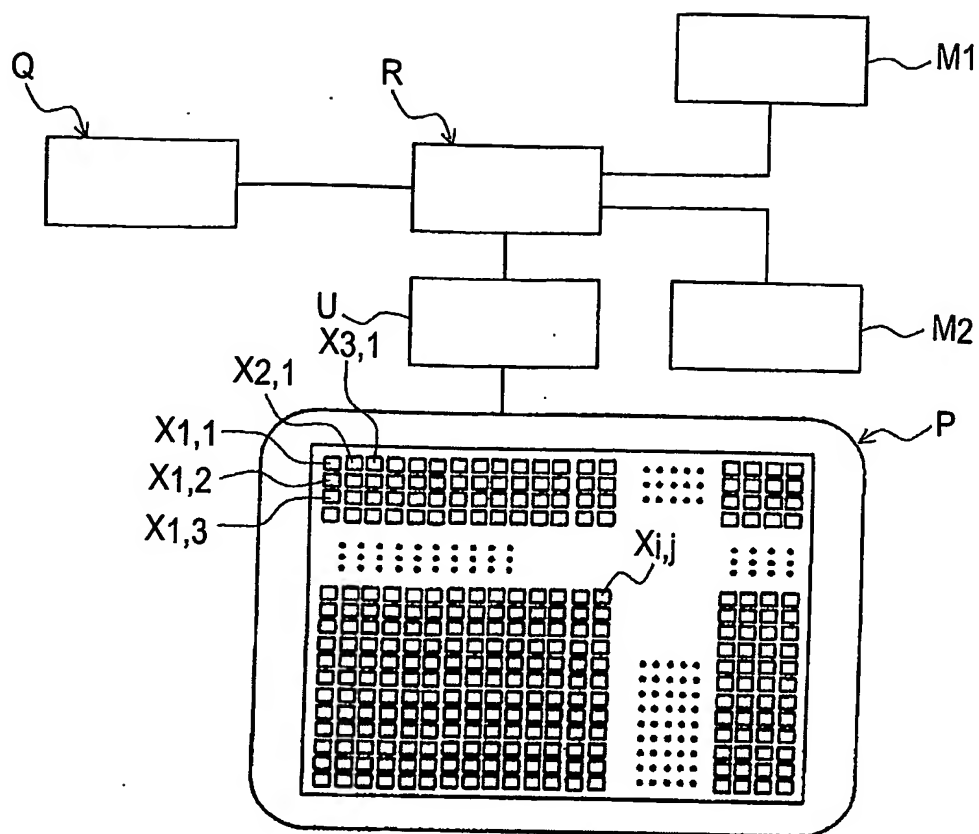


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(a)



(b)

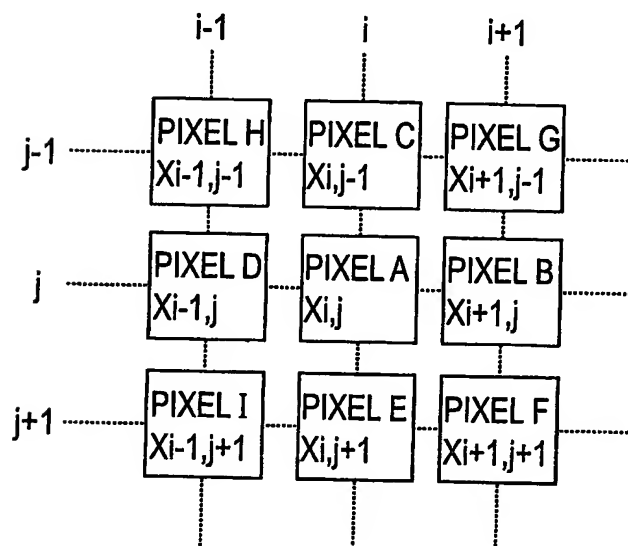


FIG. 1

	GRADATION SIGNAL	REFLECTANCE OF PIXELA
GRADATION 1	$V_1 = -10V$	5%
GRADATION 2	$V_2 = 0.7V$	9%
GRADATION 3	$V_3 = 1.3V$	13%
GRADATION 4	$V_4 = 2V$	17%
· · · ·	· · · ·	· · · ·
GRADATION 14	$V_{14} = 8.7V$	57%
GRADATION 15	$V_{15} = 9.4V$	61%
GRADATION 16	$V_{16} = 10V$	65%

FIG.2

	A B C D E	GRADATION SIGNAL OF PIXEL A	REFLECTANCE OF PIXEL A
GRADATION 1	1 1 1 1 1	V1	5%
GRADATION 2	2 2 2 2 2	V2	9%
GRADATION 3	3 3 3 3 3	V3	13%
GRADATION 4	4 4 4 4 4	V4	17%
	· · · ·		· · · ·
GRADATION 14	14 14 14 14 14	V14	57%
GRADATION 15	15 15 15 15 15	V15	61%
GRADATION 16	16 16 16 16 16	V16	65%

FIG.3

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(a)

GRADATION 4 AT PIXEL A

					REFLECTANCE	GRADATION SIGNAL	
A	B	C	D	E			
K11	4	1	1	1	1	17%	V4
	4	1	1	1	2	17%	V4
	4	1	1	2	2	17%	V4
	4	1	2	2	2	17%	V4
	4	2	2	2	2	17%	V4
			⋮			⋮	⋮
	4	7	7	7	7	17%	V4
	4	7	7	7	8	17%	V4
	4	7	7	8	8	16.9%	V4
	4	7	8	8	8	16.9%	V4
K12	4	8	8	8	8	16.8%	V4
			⋮			⋮	⋮
	4	15	15	15	15	15.2%	V4'
	4	15	15	15	16	15.2%	V4'
	4	15	15	16	16	15.1%	V4'
	4	15	16	16	16	15%	V4'
	4	16	16	16	16	15%	V4'

(b)

GRADATION 8 AT PIXEL A

					REFLECTANCE	GRADATION SIGNAL	
A	B	C	D	E			
K21	8	1	1	1	1	34.2%	V8'
	8	1	1	1	2	34.1%	V8'
	8	1	1	2	2	34.0%	V8'
	8	1	2	2	2	34.0%	V8'
	8	2	2	2	2	33.8%	V8'
K22			⋮			⋮	⋮
	8	7	7	7	7	33%	V8
	8	7	7	7	8	33%	V8
	8	7	7	8	8	33%	V8
	8	7	8	8	8	33%	V8
K23	8	8	8	8	8	33%	V8
			⋮			⋮	⋮
	8	15	15	15	15	31.4%	V8"
	8	15	15	15	16	31.5%	V8"
	8	15	15	16	16	31.5%	V8"
	8	15	16	16	16	31.6%	V8"
	8	16	16	16	16	31.6%	V8"

FIG.4

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(a)

GRADATION 12 AT PIXEL A

	A	B	C	D	E	REFLECTANCE	GRADATION SIGNAL
K31	12	1	1	1	1	50.6%	V12'
	12	1	1	1	2	50.5%	V12'
	12	1	1	2	2	50.5%	V12'
	12	1	2	2	2	50.4%	V12'
	12	2	2	2	2	50.4%	V12'
K32		
	12	7	7	7	7	49%	V12
	12	7	7	7	8	49%	V12
	12	7	7	8	8	49%	V12
	12	7	8	8	8	49%	V12
	12	8	8	8	8	49%	V12
		
	12	15	15	15	15	48.9%	V12
	12	15	15	15	16	48.8%	V12
	12	15	15	16	16	48.8%	V12
	12	15	16	16	16	48.8%	V12
	12	16	16	16	16	48.7%	V12

(b)

GRADATION 16 AT PIXEL A

	A	B	C	D	E	REFLECTANCE	GRADATION SIGNAL
K41	16	1	1	1	1	67.0%	V16'
	16	1	1	1	2	67.0%	V16'
	16	1	1	2	2	67.0%	V16'
	16	1	2	2	2	66.8%	V16'
	16	2	2	2	2	66.8%	V16'
K42		
	16	7	7	7	7	65.8%	V16
	16	7	7	7	8	65.7%	V16
	16	7	7	8	8	65.7%	V16
	16	7	8	8	8	65.6%	V16
	16	8	8	8	8	65.6%	V16
		
	16	15	15	15	15	65%	V16
	16	15	15	15	16	65%	V16
	16	15	15	16	16	65%	V16
	16	15	16	16	16	65%	V16
	16	16	16	16	16	65%	V16

FIG. 5

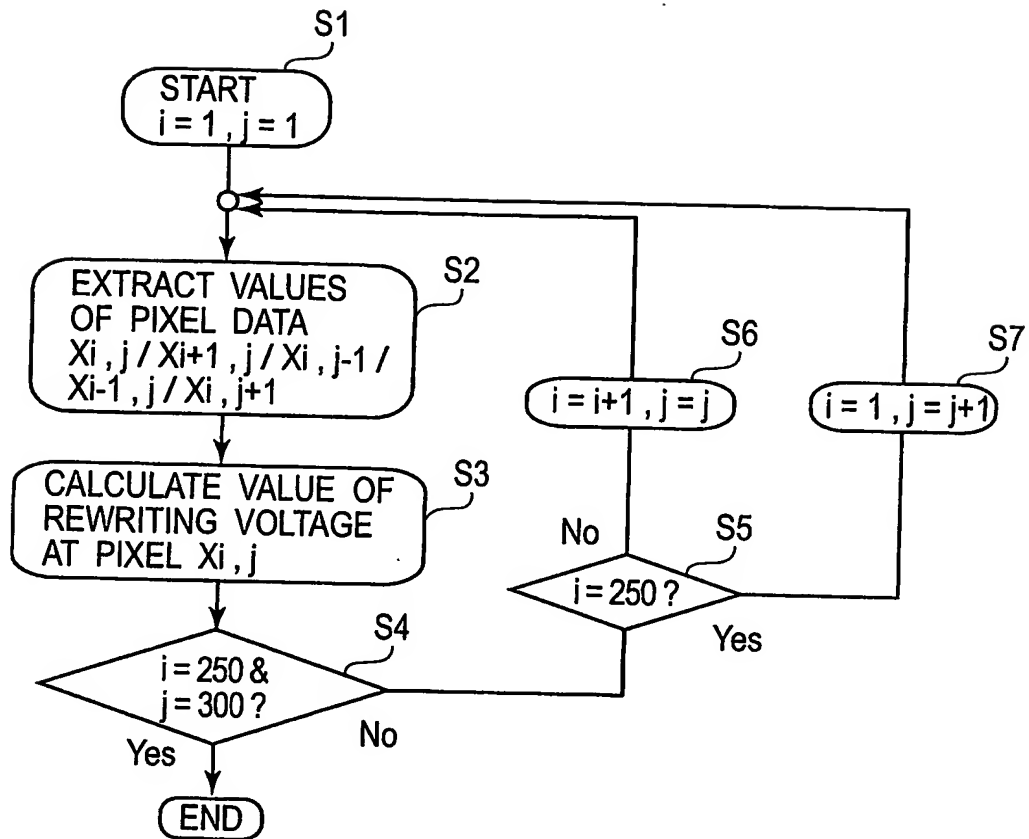


FIG. 6

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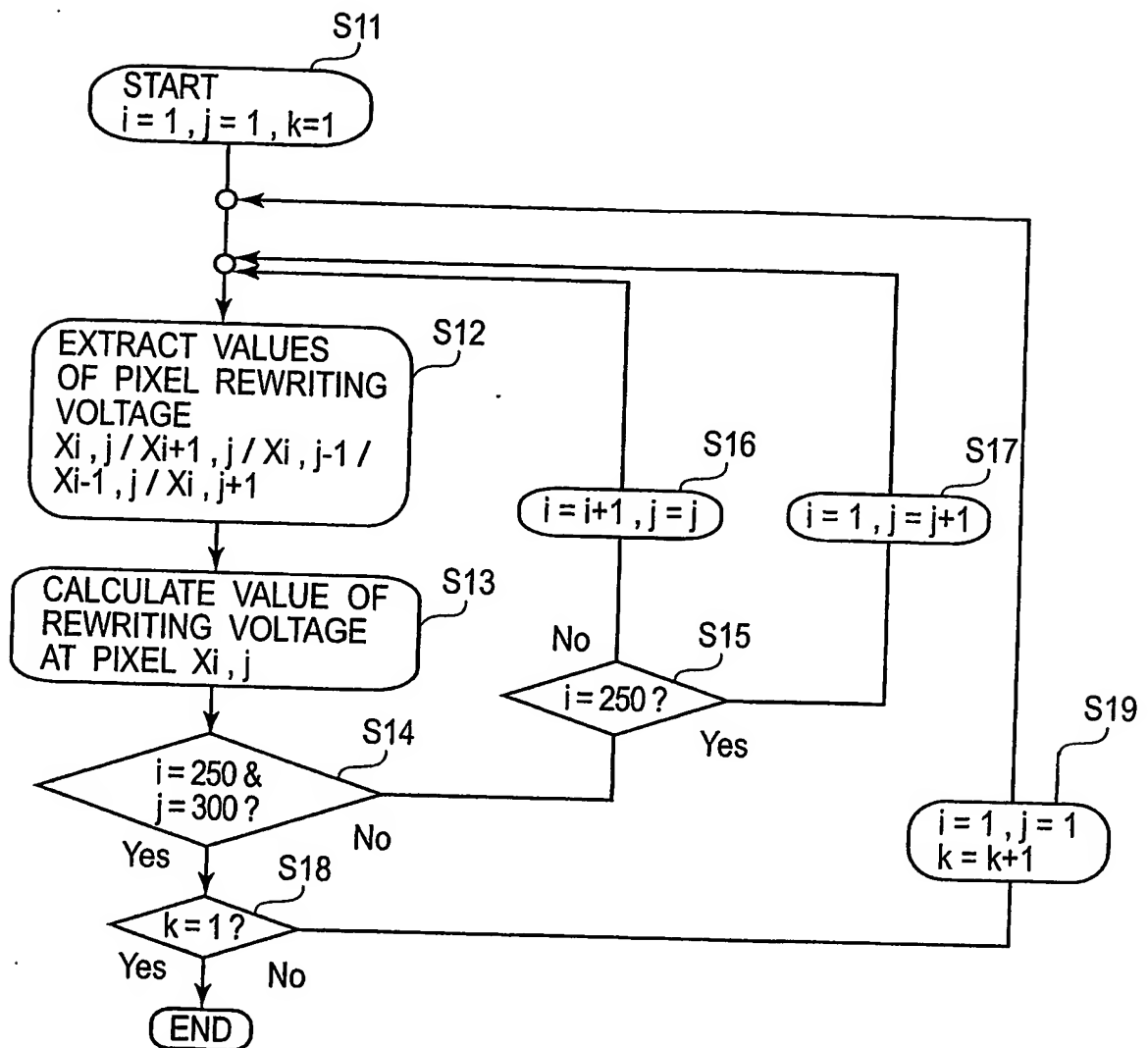
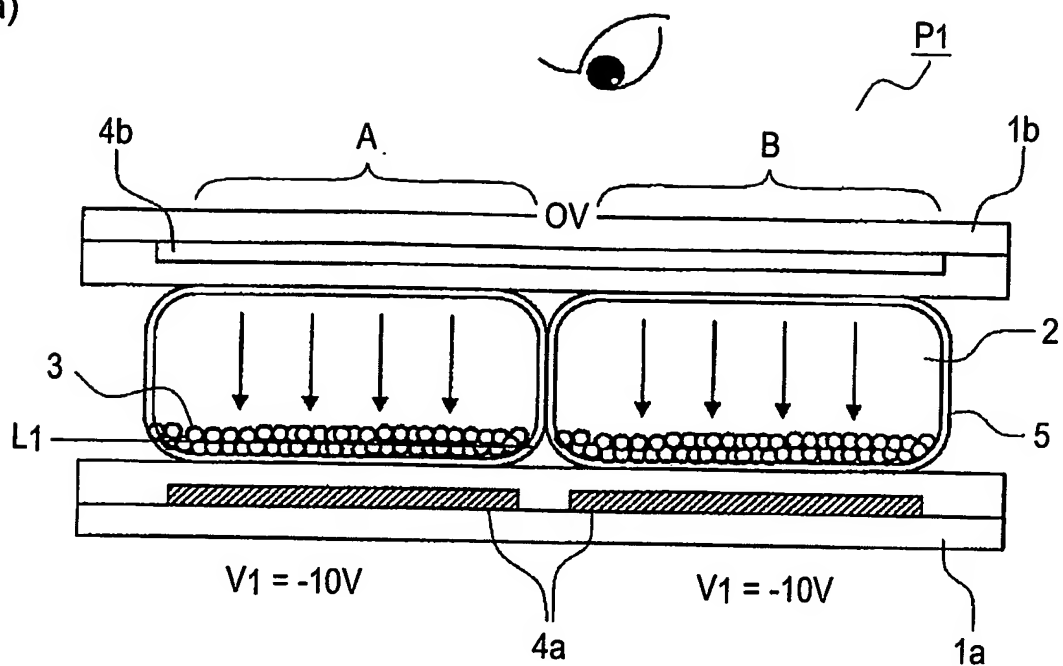


FIG. 7

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(a)



(b)

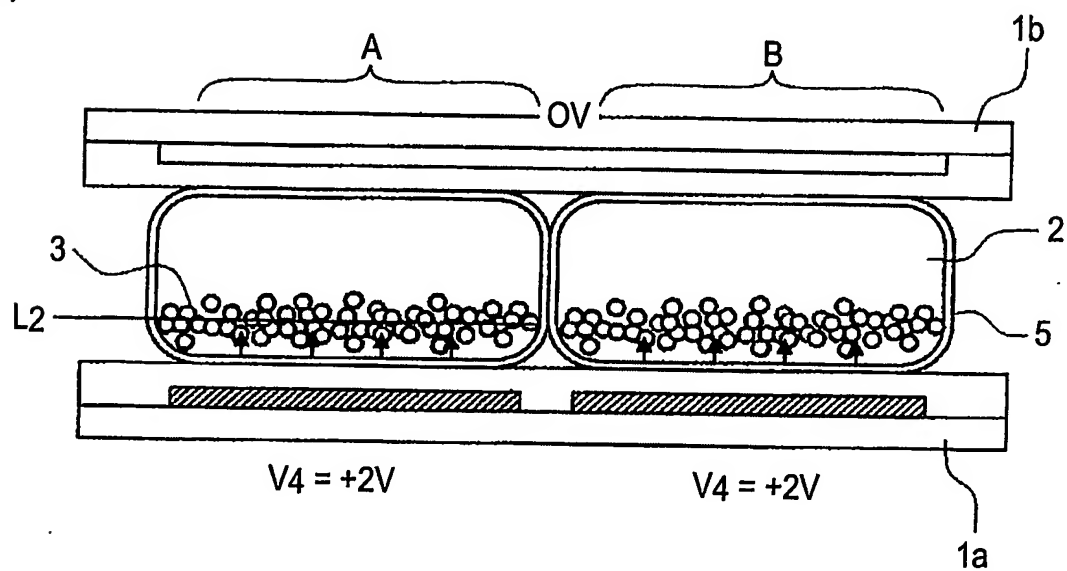
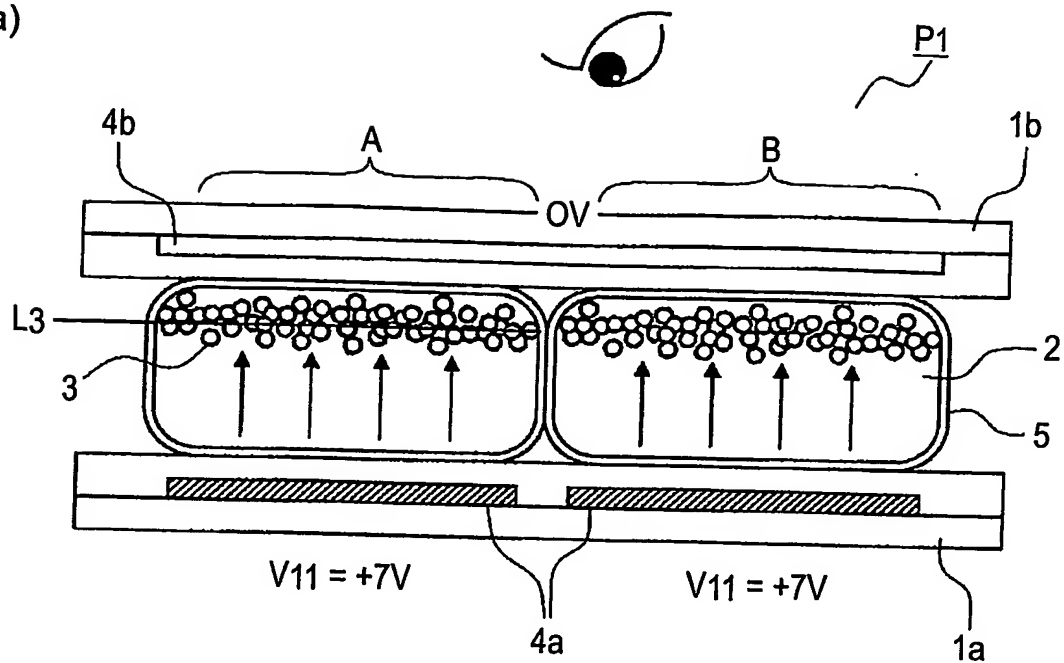


FIG. 8

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(a)



(b)

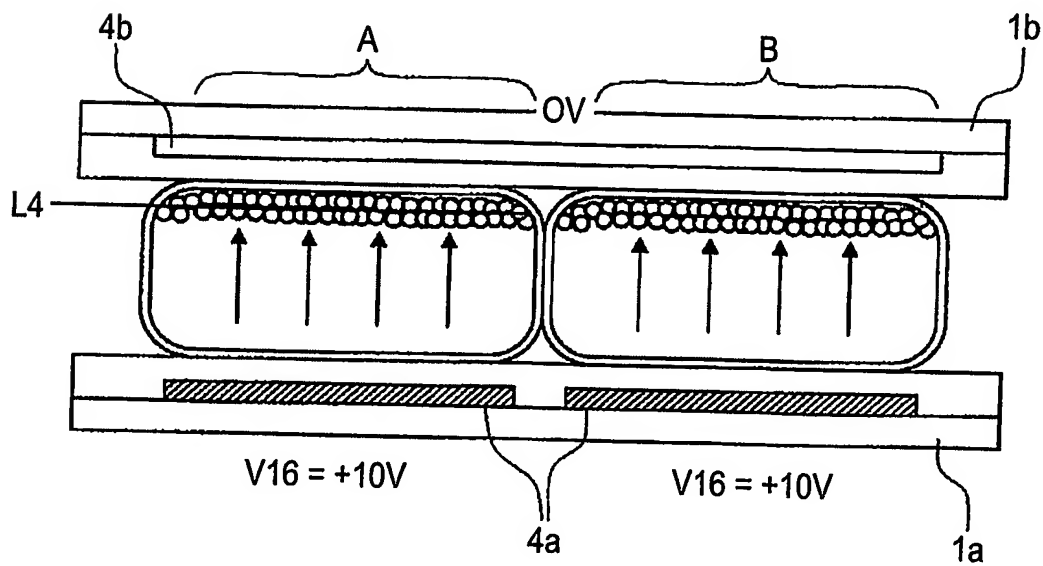
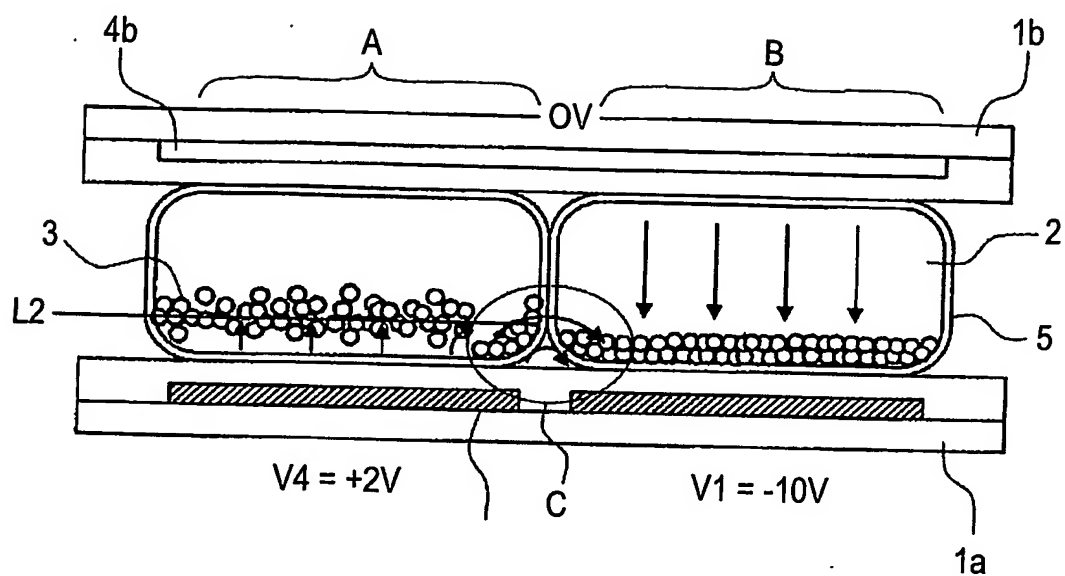


FIG. 9

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(a)



(b)

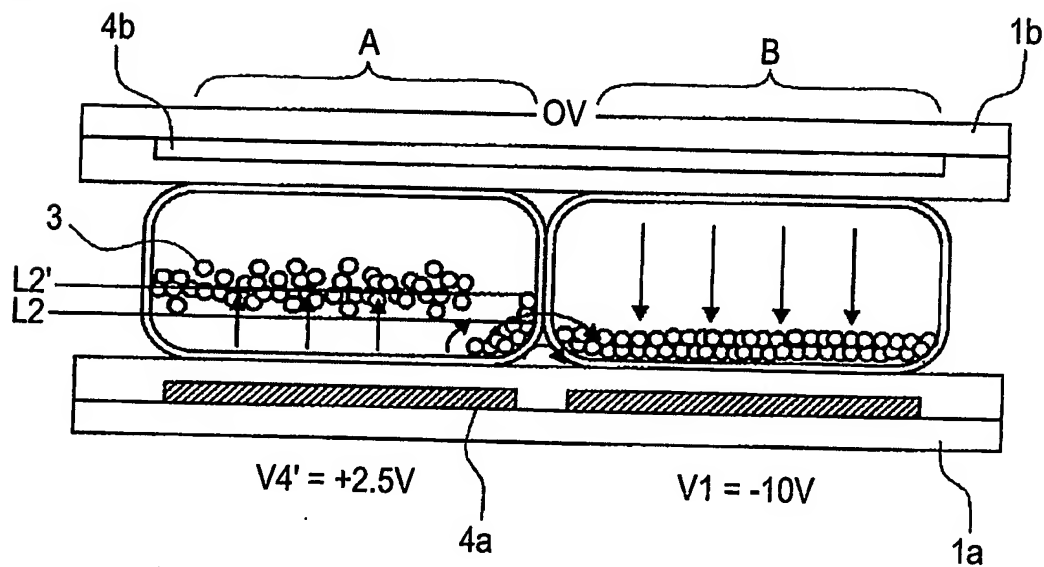
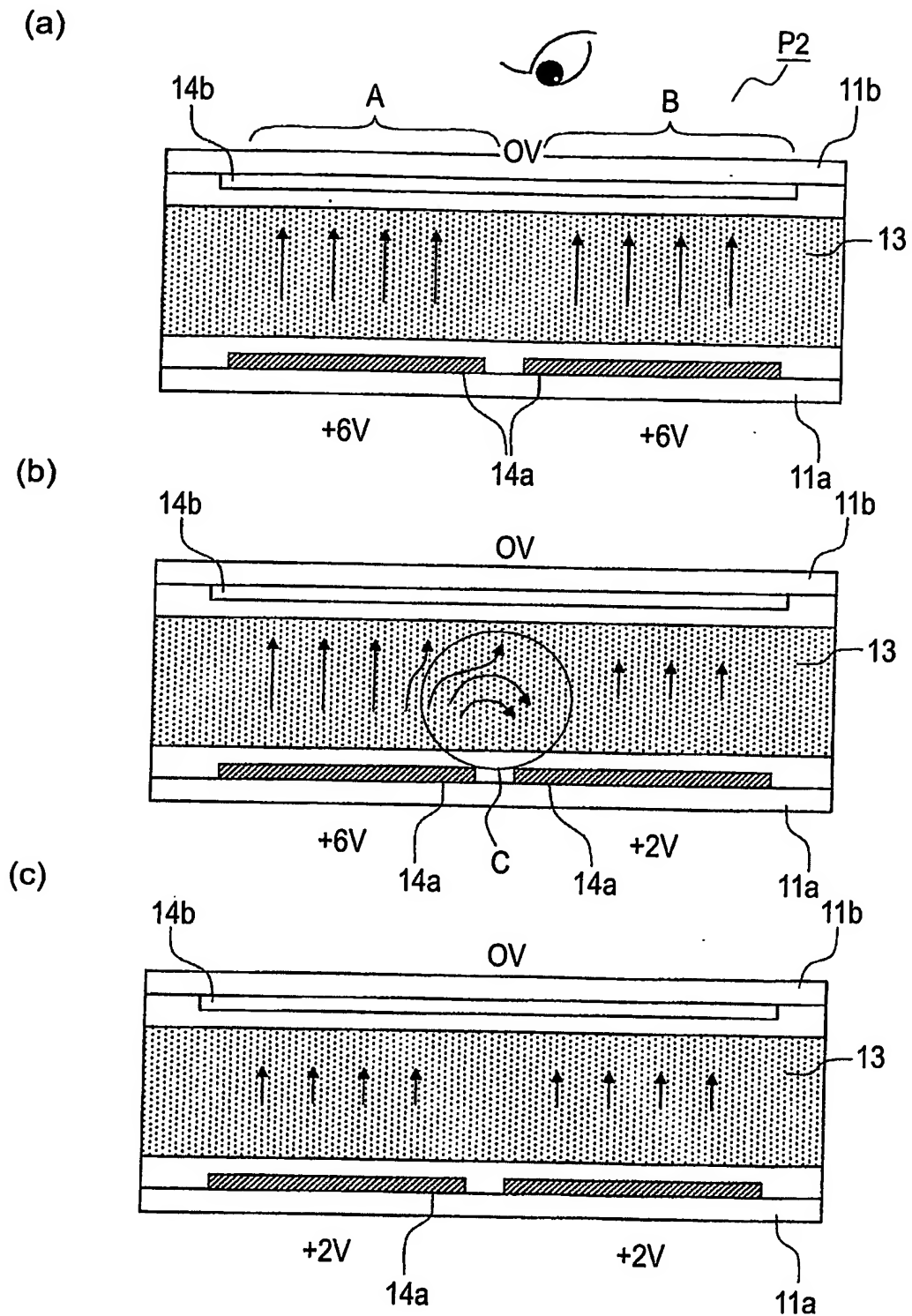


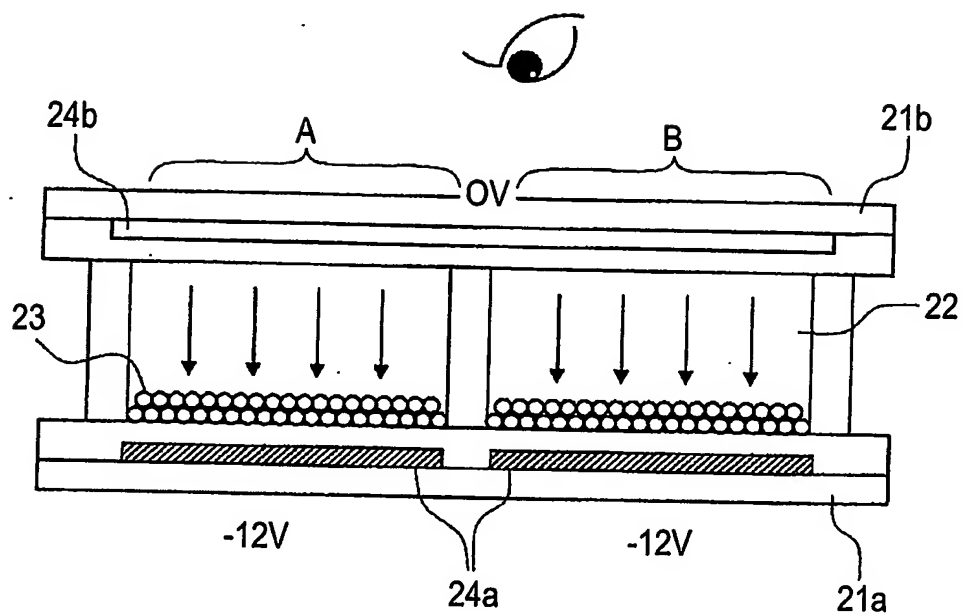
FIG. 10

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(a)



(b)

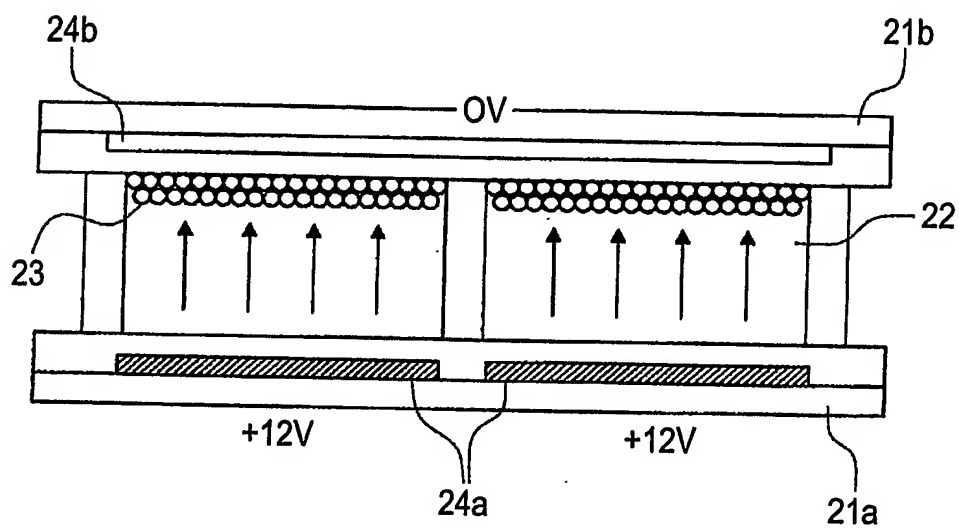
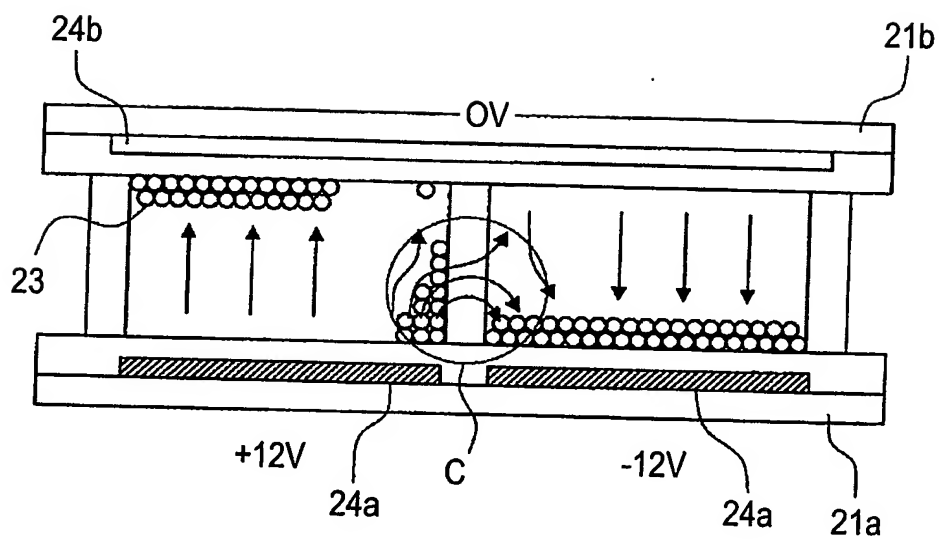


FIG. 12

**FIG. 13**